

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SERIAL NUMBER: \_\_\_\_\_

APPLICATION FILED: \_\_\_\_\_

APPLICANT(S):

TRIATEK, INC.

APPLICATION TITLE:

VENTURI VALVE MODIFICATIONS

EXAMINER/GAU: \_\_\_\_\_

MAILED:

3-3-04

AT:

ANAHEIM, CA

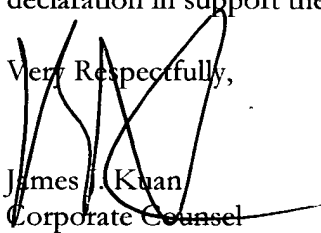
PETITION TO MAKE SPECIAL

ASSISTANT COMMISSIONER OF PATENTS  
WASHINGTON, DISTRICT OF COLUMBIA 20231

DEAR SIR/MADAM:

Applicant hereby respectfully petitions that the above application be made special under MPEP Sec. 708.02 for the following reason: VI. Energy Savings Will Result. Attached is a declaration in support thereof.

Very Respectfully,

  
James J. Kuan  
Corporate Counsel

Attachment: Supporting Declaration

James J. Kuan  
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Norcross, GA 30071  
(770) 242-1922

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**DECLARATION IN SUPPORT OF ACCOMPANYING PETITION TO MAKE SPECIAL**

**REASON VI—ENERGY SAVINGS WILL RESULT**

In support of the accompanying Petition to Make Special, applicant declares as follows:

1. I am the applicant in the above-identified patent application
2. The invention of the above application will result in material energy savings to the user by enabling the user to reduce their electrical costs in managing laboratories with fume hoods.
3. Specifically, the invention of the above-mentioned application is an improved and more efficient way to maintain constant and safe face velocities entering fume hoods by quickly restoring air flow setpoints when fume hood sashes are raised and lowered.
4. By significantly improving the functionality of the venturi valve device such that its excessive oscillations are reduced in responding to changed airflows, the invention above quickly and efficiently maintains safe face velocities as fume hood sashes are raised and lowered. By quickly restoring safe face velocities, energy is efficiently used and significant energy savings will result because high constant volume fans will not be required to maintain safe airflows as the variable air volume approach of this invention can be utilized instead, and excessive electricity will not be needed to further actuate the valves to ensure safety in response to changes in airflow.
5. I further declare that all statements made herein of my own knowledge are true and correct and that all statements made upon information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application and any patent issuing therefrom.

Very Truly Yours,

James J. Kuan  
Corporate Counsel